

It is stated that Hon. Wm. L. Marcy, late Secretary of State, intends visiting Europe during the coming summer. The hard-headed old diplomatist will make quite a sensation, and afford a striking contrast to the tinselled and fanciful intrigues of the old world, among whom routine and formalities have, to a great extent, usurped the place of strong, manly thought.

Something may be gained by the European system of making diplomacy a life profession, in which advancement is accorded by seniority, as men in the army work up from simple cadets, to the position of Brigadier or Major General. So in Europe, the Hon. Tom Noddy becomes at eighteen an *attaché* without pay, to some mission of small importance, say to one of the minor German Courts—then, perhaps, he is next sent to Naples, or some other Italian Court, to learn the intricacies of etiquette, court-culture, and general love-making. Further on in life he becomes Secretary of Legation somewhere, and, in the event of his principal dying, or retiring, he becomes principal himself, and is known as the representative of his or her majesty at the court of his or her other majesty. He has risen by regular gradation—he is a trained diplomatist—perfectly up to Court etiquette—he is never guilty of a solecism in language, manners, or conduct; but for all his training he is at last only Tom Noddy, although he may, in the meantime, have become a lord—he knows the world only as a theatre for petty intrigues, and thinks that there is no world worth knowing outside of the little circle in which he revolves, and within which he, and those like him, count for something.

But, when difficulties of a really threatening character arise, even in routine-governed Europe, resort is had to the services of men who have acquired reputation and standing on other grounds than the knowledge of mere forms and usages. The leading statesmen of their respective countries are sent to conferences, like those of Paris or Vienna, superseding the diplomatic *resident*, when anything serious is to be done.

The system of our Government has been to observe, as a general rule, the course to which European Governments are forced to resort upon all important emergencies, and to appoint, as ministers to important Courts, or place at the head of our foreign relations, as Secretaries of State, men of mark and prestige and influence, to whose strong judgment the final adjustment of difficult questions must eventually be committed. There is a power about men like Cass and Buchanan and Marcy and Webster and Everett, the want of which cannot be compensated by the polite bows or fancy ribbons and orders upon which regularly trained diplomacy plumes itself.

A Washington correspondent of the Baltimore Sun thinks that the policy of Lord Palmerston aims at the eventual conquest of the Southern provinces of China, in furtherance of schemes which have far less reference to direct political power than to ideas of future commercial supremacy. England chafes under her forced dependence upon Brazil and Cuba and the United States for the great staples of her trade and manufactures. Abolition England cannot risk a rupture with the producers of slave grown cotton or of slave grown tropical productions. The writer thinks that she aims at obtaining a foothold in Southern China, the greatest Sugar and Cotton region in the world, and the greatest producer of these articles—that thus she hopes to make herself independent of the United States and strike a blow at her most dreaded commercial rival.

The theory, we think, is plausible, but no more.—Southern China does produce a great deal of Sugar and Cotton, but exports none—the staple of land devoted to the growth of these staples turns out no more than is needed for home consumption by the teeming millions of an empire that embraces within the limits of its eighteen provinces nearly half the human race; and, crowded as the country is closely as population presses upon it, it does not overrun the means of subsistence, no larger space can be taken for the growth of staples for export.

We hardly think that Lord Palmerston can have any such delusive notion, or if he has, that he will find it in the realization to be anything more than a delusion.

Mr. Wright's Oration.
As the most satisfactory answer to repeated enquiries with regard to the Oration delivered by Joshua G. Wright, Esq., on the occasion of the second celebration of the anniversary of Moore's Creek, we take the liberty of presenting the following correspondence:—

WILMINGTON, April 20th, 1857.
DEAR SIR:—The undersigned respectfully request publication, a copy of the eloquent and interesting address delivered by you upon the occasion of the late celebration of the Battle of Moore's Creek Bridge.

In making this request, the undersigned but express the unanimous wish of all who had the pleasure of hearing you, and the great desire of numbers who were not so fortunate. And adding their most cordial solicitations that you will consent to the publication.

They are very respectfully,
Your ob't serv't,
JOHN L. HOLMES, } Com.
F. J. HILL, }
GEORGE DAVIS. }

J. G. WRIGHT, Esq.

WILMINGTON, April 21st, 1857.
GENTLEMEN:—Your note soliciting a copy of my recent Address for publication, has been received. I very cheerfully comply with your request, and only regret that the Address was not more worthy of the occasion on which it was delivered.

With my thanks for the opinion you express of its merits, and with a grateful appreciation of your kindness,
I am very truly,
Your ob't serv't,
JOS. G. WRIGHT.

Messrs. Wm. S. Ashe, John L. Holmes, F. J. Hill, Geo. Davis, Committee.

We may add that the manuscript is now in hand, and the pamphlet copy of the speech will shortly be issued, printed on good paper and in neat style.

STRAWBERRIES.—The Editor of the Charleston Courier has been presented with some Strawberries, the first of the season. They were grown on Baum's Farm, near Charleston.

33. The changing character and direction of the attacks made upon the policy of the Democratic party, are well calculated, as no doubt they are designed, to blind the eyes even of those comparatively on their guard, to the identity of the object kept in view by the parties or factions urging on these attacks.—That object is the complete overthrow of the Democratic party, which, strong in its principles and its organization, has so far successfully resisted these attacks and come out from each conflict either refined by trial or flushed with victory.

With the tactics of the last few years most people are familiar. The opposition at the North was anti-Slavery, anti-Catholic and anti-Foreigner. At the South it sought to reconcile the Northern anti-slavery feeling by denouncing the repeal of the Missouri Compromise as "reckless and unwise" while politico-religious emissaries tramped the States with books full of horrible pictures of persecutions, massacres and other misdeeds, said to have been committed by the Pope of Rome or Arch-Bishop Hughes, while citizens of foreign birth were represented as grasping the power of the government out of the hands of "the Sons of the Soil," in face of the fact that no office could be shown held by any man of foreign birth and none or next to none sought by them.

Well, all this, with all the machinery and organization with which it was connected, and by which it was at first rapidly advanced, failed to drive or draw the Democratic party from the impregnable position which it had assumed. It refused to be drawn from this position—its ranks, though thinned for a time, were still unbroken, and when the contest came, the wisdom of this policy was confirmed by the result. In that result the Democracy reaped the victorious fruits of a firm and unflinching adherence to principle and organization. They could not be driven from their place—they would not be driven.

In the wild turmoil of the last years, the question of the public lands was little spoken of; it was but a mere incident—a sort of outside affair—now it is made the primary consideration. After the failure of the attempt to storm the citadel of Democracy, the policy now is to promote divisions among its defenders—to draw aside portions of the Democratic forces, and thus, if possible, to obtain victory after having excited division.

The money raised for the support of the United States federal government is drawn from two sources, duties upon imports, and the proceeds of the sales of public lands. The last source is immeasurably the largest and most reliable. The monies so raised are expended for objects under the jurisdiction of certain departments, to wit: State, Treasury, War, Navy, Interior, &c. Of all these departments, the Interior is among the most important, especially that bureau known as the General Land Office, because vast sums of money coming into the Treasury are expended for the acquisition, survey, defence, &c., of the public lands, to guard which from the incursions of hostile Indians, more than half the military force of the United States is constantly employed, at a cost of millions a year, while the expenses of surveys, Indian agencies, gross sums paid for the extinction of titles, &c., is a very heavy charge upon the Treasury. The average amount annually expended by the general government, for the past six years, for Indian purposes, has been about \$2,625,932, while the interest on the Louisiana purchase, and the different purchases from Mexico, would amount to about as much. In fact these inevitable expenditures, to say nothing of the cost of the troops employed for the defence of the territories in which these lands are situated, would consume every sixpence of the average receipts from the sales of public lands, and indeed leave the treasury which has to keep up the troops in them and for their defence at an expense of not less than eight million dollars a year. Where then is the net proceeds to come from, the distribution of which is proposed by the opposition as a panacea for all the ills that afflict the States? There are no net proceeds.

It is proposed to distribute profits when there are no profits, or to distribute gross proceeds, leaving the deficiency thus created in the means of meeting the necessary disbursements to be made up by means of taxes levied upon and taken out of the pockets of the very distributees—the very people who are fooled into the notion that they are to be greatly benefited. Suppose that a party should get up and demand dividends from the Cape Fear and Deep River Navigation Company!

Now, suppose that six millions a year by way of distribution, were taken out of the Treasury of the United States and handed over to the States, and N. Carolina got one thirty-first part thereof, that is something under two hundred thousand dollars, how would she stand. To meet the six millions thus taken out of the U. S. Treasury, a corresponding amount must be collected, and how? By taxes on imports—How does that operate? These duties are imposed on certain articles of general consumption, mainly manufactured goods, of which the domestic productions stand at least in the proportion of six to one to the imports of the same articles. The duty on the one part would be paid into the United States Treasury, on the sixth parts it would pass from the pockets of the agricultural consumers of North Carolina into the pockets of the manufacturing producers of New England and the North generally, so that for less than two hundred thousand donation the taxes on North Carolina would have to pay back in people on the articles used by them, at least a million and a quarter, one part into the treasury of the Union, six parts into the pockets of the protected manufacturers.

These are matters to be thought over and reflected upon, but they are only a part. There are other cognate matters to be treated of, but which the lack of time and space forces us to omit to-day.

Trouble in New York.

Mayor Wood has caused an injunction to be issued upon the new Police Commissioners appointed by the Governor in accordance with the recent act of the Legislature. There was great excitement on the occasion. The Mayor pronounced the law unconstitutional, and charged the police to obey only the present Commissioners.

33.—We understand that the following gentlemen have been appointed directors on the part of the State in the Cape Fear and Deep River Navigation Company: Hon. Abraham Rencher and Dr. R. K. Smith of Chatham, and N. N. Nixon, Esq., of New Hanover.

Fire in Washington, N. C.

A friend writes from Washington, N. C., under date of the 22d inst., as follows:
EDWARDS JOURNAL.—A fire broke out this morning in the room of Mr. John Long's store, on Main street. The Neptune and Ocean, Engines were soon on the ground, playing two streams each, and, assisted by John Myers & Son's Engine, soon drenched out the fire, which was confined to the room of Mr. Long's store. The Neptune Fire Engine and Ladder Truck for the first time. Mr. Long is insured.

Yours, &c.,
CITIZEN.

33. The jury in the case of Scipio, a slave, from Columbus, tried for the murder of John, another slave, returned a verdict yesterday afternoon of manslaughter.

The Court this morning commenced the trial of the case of the Sailor, committed for pushing another overboard from a vessel in the stream.

Death of Lieut. Gardner.

Augusta, April 23.—Lieut. Gardner, of the United States navy, died suddenly while riding in his carriage yesterday.

Frosty weather still continues here.

ENORMOUS.—On Saturday afternoon a small boy brought into our sanctum a basket of Oysters in the shell. The basket was a large one and full, but we were ashamed to say how few it contained, for how large those in it were. At any rate they were the largest Oysters we ever saw. We thought about our earlier reading in Goldsmith's *Animated Nature*, and that mighty bird whose apocryphal egg "was a meal for twenty-four men." The small boy said "Mass Dick sen 'em," from which we were led to infer that they came from Mr. Richard Burnett's Oyster Saloon. Not exactly the last roses of Summer, but among the last Oysters of Winter. Oysters are an "institution," if not a "beverage"—they reconcile us to the absence of flowers, for what flower possesses a flavour and an aroma like unto a good bivalve? The man that don't like Oysters, has no music in his soul—is not a man of good taste, has no bowels of compassion, and very indifferent bowels of any kind.

If the Fayetteville Observer will reflect a little, it will find many precedents to justify the use, by us, of the phrase about "fighting a peaceful fight in peace and personal harmony." No phrase is more common than for people to say that they "agree to disagree"—which is just as much of a contradiction, in appearance, as "fighting in peace" can be. In fact, we might go on for a long time, backing ourselves up by quotations from all manner of authors, but we prefer to tell the truth, which is, that we intended the expression to be a sort of good-humored play upon words—all joke in expression—all earnestness in meaning. We recollect indistinctly the story which the Observer refers, about the bill "to enable the free and independent citizens of North Carolina to fight their battles in peace." Let the Observer for once forget its cares about the Western Road, and "spread itself" to "nourish" all it knows about the evil to which it refers. It will do it good.

HAWK'S HISTORY OF NORTH CAROLINA.—We understand that Mr. H. W. Horn, agent for this work in Wilmington, has arrived with copies of the first volume, which subscribers can obtain by calling at Mr. Whitaker's book store, where persons desirous of subscribing will find a list.

33.—Thursday was Mr. Buchanan's birthday, upon which he completed his 66th year, having been born in 1791.

33.—The jury in the case of Mr. Robbins, put on trial yesterday, on a charge of manslaughter, brought in a verdict of "not guilty."

Daily Journal of the 24th inst.

Democratic Meeting in Lenoir.
At a meeting of a portion of the Democrats of Lenoir county, in the Court House in Kinston, on Tuesday, the 14th April, addressed to public notice: On motion, Joseph R. Croome, Esq., as called to the Chair, and James M. Wooten, Esq., as Secretary.

The object of the meeting having been explained by the Chair, on motion of Gen. Jas. W. Cox, a committee was appointed to report resolutions for the action of the meeting. The committee consisted of the following gentlemen: Allen W. Wooten, John C. Wooten, Dr. Thos. Woodley, Jas. Jones, Wm. Sutton, Col. Jas. W. Moore, Samuel M. Howard, and Elijah Lotin, who, after a short retirement, returned the following preamble and resolutions, which were read and unanimously adopted:

WHEREAS, It has been suggested to hold a district convention, for the purpose of nominating a candidate of the Democratic Republican party, to represent this second district in the next Congress of the United States; Therefore,
Resolved, That the undersigned, representing the Democracy of Lenoir, approve of the said convention, with a view to the more perfect organization of the party, to secure harmonious action and final success in the ensuing congressional campaign, and we cordially invite our political brethren of the other counties of this district to meet us, through their delegates, in a convention to be held in Newbern, on the second Thursday of June next.

Resolved, That having implicit confidence in the wisdom and patriotism of said convention, that its nominee will be both worthy and capable to represent this district in the next National Legislature, we pledge our honest and zealous support to the candidate that may be presented or nominated.

Resolved, That, without intending to forestall the free and unbiased action of said convention, or to prejudice the claims of any one of the several worthy names that may be brought forward for the consideration of that body; yet, however, we feel it to be our duty to express our full and candid preference in favor of our late most worthy Representative, Hon. Thomas Ruffin, and heartily recommend his re-nomination.

Resolved, That the cheerful and unanimous thanks of our party and of all good patriots, are eminently due, and are hereby tendered, to the Hon. Thomas Ruffin, for his vigilant, efficient and patriotic services in the discharge of his various duties as our late representative in Congress, in defence of the constitutional rights of the States and of the people against the intolerant and oppressive policy of Know Nothings on the one hand, and the fendish designs and abominable acts of abolition republicanism on the other.

Resolved, That the Democratic Republican party is the only national, union and constitutional party of the country; the party that is opposed by know-nothingism, black republicanism, abolitionism, and all the various sects of the land, all allied together in denunciation, and to this great party alone, must all good people and patriots of the country rely for the preservation of this glorious Union, and State sovereignty and the perpetuity of the civil and religious rights of the people.

Resolved, That in the election and elevation to office, of President and Vice President of the United States, of those experienced statesmen, Hon. James Buchanan of Pa. and Hon. John C. Breckinridge of Ky., we recognize a wise, well timed and super intervention of a kind, protecting Providence, over the welfare and stability of this great and glorious nation. The admirable inaugural address of the President and the able cabinet of constitutional advisers which he has called to his aid, are guarantees that the ship of State will be able and skillfully managed, to the honor and glory of the country.

Resolved, That the chairman appoint five delegates to represent this county in the proposed district convention, and the following were named, viz: Maj. Allen W. Wooten, Nathan Whitfield, Willis Pipkin, George Jones, Henry N. Croome, Samuel M. Croome, William Sutton, J. Samuel Davis, C. L. Davis, R. E. Davis, Jos. Leary, Blackledge Harper, James Nunn, James Herring, Whitfield Grady, James Jones, Elijah P. Loflin, A. W. Taylor, William G. Taylor, Chas. Gray, John C. Wooten, Samuel W. Howard, John Rhem, Wm. H. West, James M. Wooten, Gen. Jas. W. Cox, Col. James W. Morris, Henry F. Bond, Dr. Leroy Chappell, Wm. Fields, Dr. Thomas Woodley, Joseph Tighman, N. Hunter, Wm. Howard, Wilson Tighman, Warren Bell, Haywood Jones, Richard F. Bright, Simon W. Bright, Alfred Moore, Alexander Wilson, James M. King, Thomas H. Dawson, Noah Fouse, Thomas Rouse, Council Wooten, Richard L. Wooten, Hardy Sutton, S. Ivey Sutton, Alex. Hill, Thos. Hill, Jesse H. Rouse, and John W. Becton.

On motion, the chair was added, and that all good and true democrats of this county, who may be in Newbern at the time the convention be considered as delegates to the same.

Mr. James B. Averitt, of Newbern, being present, and called upon, entertained the meeting in a few eloquent remarks in advocacy of the principles and policy of the party.

Ordered, that the proceedings of this meeting be published in the Goldsboro Tribune and Southern Union. Raleigh Standard, Tarboro Southern and Wilmington Journal, will please copy.

The unanimous thanks of the meeting were tendered to Mr. Averitt for his entertaining address, and to the officers of the meeting for their kind services.

On motion, the meeting adjourned.

JAS. M. WOOTEN, Secretary.

Further Indian Troubles.

St. Louis, April 22.—The officers of the steamer Minnehaha, from Upper Missouri, report a great excitement at Plattsmouth, Nebraska, in consequence of the Pawnee Indians being driven in by a number of settlers of Salt Creek. A fight occurred, resulting in the killing of several Indians and one white man and the capturing of thirteen Indians. General Thayer, of Omaha City, has raised a party of volunteers to protect the settlers.

From the South-Side Democrat.
Distribution Considered Financially.

Conclusive as is the argument against distribution, drawn from a strict construction of the federal constitution, the absurdity of the scheme is even more glaring when the test of figures is applied, than its illegality when judged by the compact of the States. In the former aspect the test is successful or not, but in the latter it is not the least instructive, for experience is acquired by the failure as well as by the success of experiments. Every teller of the earth, from Adam down to the whistling plover-boy that saw his first furrow not longer ago than last autumn, has been given more or less to the making of experiments. A farmer "tries" this crop, or that plan, and his experiments are the ground-work of the experience which gives intelligent direction to his husbandry.

None of the great industrial pursuits is more fruitful of experiments than that of agriculture; and if all the experiments that have been and now are making in this branch of industry had been systematically conducted, and if proper accounts of them had all been collected and published, what a valuable and instructive work should we have on the subject. Chinese sugar-cane and cotton, for example, for illustration. How many thousands of farmers intend to make a "trial" of it this year?—and among this great number, how many, think you, will give for the benefit of agriculture any account of their experiment and its results? Perhaps a dozen or two. The aggregate experience of all the rest will be lost to the agricultural community—and yet, if collected and embodied together, it would be of incalculable value.

I have been led into this train of remarks in consequence of an experiment that I made last year with the cultivation of sunflowers as a preventive or protection against ague and fever, and if you will publish an account of this experiment, with an explanation of what was sought to be accomplished by it, and the results obtained, perhaps some of your many thousands of readers will join and assist in carrying it out for with such assistance a satisfactory question of great importance may be satisfactorily settled, one way or the other, in a little while.

The dwelling of the Superintendent is adjoining the Observatory, which is situated on a hill on the left bank of the Potomac, in lat. 38 deg. 39 min., 53 sec. It is 94 feet above the low water of ebb tide, and about 400 yards from the river. The grounds pertaining to it contain about 17 acres, enclosed by a brick wall on the east, south and west sides, with a picket fence on the north. The south wall runs along nearly parallel with the river, and so does the west. The Chesapeake and Ohio Canal, fringed by a single row of sycamores, of some twenty years' growth, separates the wall from the river. In fact the river, with its marshes at the foot of the hill, encircles the grounds of the Observatory on half way round, viz. from S. E. by way of S. to N. W. Thus, you perceive, we are in a sort of a hem in the river. Most of the marshes are just "a wash" at low water, parts of them are bare when the tide is out, and all of them, in the early summer, are covered with a rank growth of grass and weeds, which begin to decay in August. This is the commencement, too, of the sickly season, and a few minutes' walk about the grounds of the Observatory after sunset has been found sufficient to bring on the ague and fever, or an attack of ague and fever. The place is so unhealthy that my family are compelled to desert it for four or five months every year. Last year they broke up early in May, and did not return till November.

Now, I am not going into a dissertation concerning malaria or miasm, for, be the seeds of the pestilence what they may, those of these diseases are supposed to be due to a great measure to the miasm of the Potomac. The decay of the vegetable matter upon them infects the air with impurities of some kind, which predispose to chills and fevers such is the popular belief, at any rate.

This brings me to the history of the sunflower experiment. A process of reasoning like the following led me to try it.

If it be the decay of the vegetable matter on the marshes that produces the sickness on the hill, then the sickness must be owing to the deleterious effects of some gas, miasm or effluvia, that is set free during the decomposition; and if so, the poisonous matter, or the basis of it, whatever it be, must have been elaborated during the growth of the weeds, and set free in their decay. Now, if this reasoning be good, why might we not, by planting other vegetables, or by vigorous growth just about the time that that of the marshes begins to decay, bring fresh forces of the vegetable kingdom again to play upon this poisonous matter, and elaborate it again into vegetable tissue, and so justify the old adage?

The reasoning appeared plausible enough to justify the trouble and expense of experiment, and I was encouraged to expect more or less success from it, in the circumstance that everybody said, "plant trees betwixt you and the marshes—they will keep off the chills." But as to the trees, it so happens that the very time when the decomposition on the marshes is going on most rapidly, the trees, for the most part, have stopped their growth to prepare for winter, and though trees might do some good, yet a rank growth of something got up for the occasion might do more. Hops climb high; they are good absorbers, and of a rank growth, but they were objections to hops on account of stakes, poles, &c.—I recollected that I had often seen sunflowers growing about the camp of the West, and have heard, in explanation, that it was "healthy" to have them.

This was so much more in favor of making the experiment with sunflowers.

An acre of sunflowers will absorb during their growth many thousands of gallons of water more than are supplied by the rains. They are great absorbers. They are of easy cultivation, are more rank than hops—may grow to a pole and the seed is very valuable. I paid \$8 a bushel for them last year, and therefore, apparently offered to fulfil all the conditions required to satisfy the problem; for if the supposition that the ague and fever poison be imparted to the atmosphere by the decaying vegetable matter in the marshes, and if this poison were set free during the process of decay, why should not the sunflowers in their rank growth absorb it, and again elaborate it into vegetable matter, and fix it at last for a while, and until cold weather? I consulted upon this subject with one of the most useful men this country ever produced—the late A. J. Downing, of Newburg—and he thought the idea a good one.

Finally, I resolved to make the experiment, at the risk of spoiling the looks of a beautiful lawn. Accordingly, in the fall of 1855, the gardener trenched up to a depth of two and a half feet a belt about forty feet broad, around the Observatory on the marshy side, and from 150 to 200 yards from the buildings. The conditions of the theory I was about to try required rich ground, tall sunflowers and a rank growth. Accordingly, after being well manured from the stable yard, the ground was properly prepared and planted in sunflowers last spring. They grew finely, the sickly season was expected with more than the usual anxiety. Finally, it set in, and there was shaking at the President's House and other places as usual, but for the first time since the Observatory was built the watchmen about it weathered the summer lack of chills and fevers. These men, being most exposed to the night air, suffer most, and heretofore two or three relays of them would be attacked during the season; for as one falls sick another is stepped in for, and the work goes on. This year, however, no one was attacked, and the work went on as usual. And last year, attacks of ague and fever were more than usually prevalent in the neighboring parts of the city.

Here is encouragement, not discovery or proof—but it is worth further trial, at any rate. Accordingly, the gardener is being ready to try the experiment again this year, but with variations. The seeds are not to be planted quite as in the first instance; and, in the next place, there are to be two plantings, so that the last crop may be caught by the frost while yet the plants are flowering, and, therefore, in full and vigorous growth during the season of active decay in the marshes.

Suppose the fact should be established that a hedge of sunflowers between the dwellings of farmers and the ponds or marshes and standing pools, would generally keep ague and fever away, the discovery that such a simple contrivance would constitute an impassable barrier to "the pestilence that walketh in darkness" would be an achievement worth recording. "The destruction that wasteth all noonday" may form the subject of another communication, if you can find room for it. Indeed, other remarks upon the subject in hand are suggested themselves, but with your leave, I will reserve them for the next number of the Rural. In the meantime, I hope that all who can, but especially those who live in noted ague and fever districts, will prepare to try the sunflowers experiment this summer.

The readers of the Rural are mostly in the region of westerly winds, and that the results of each experiment should throw light upon the rest, it is desirable to know, approximately at least, in each case, the situation of the dwelling, its distance from, and height above the supposed region of miasma, as well as its distance from the hedge of sunflowers, their height, &c. We know that one of the offices of the vegetable kingdom is to preserve the purity of the atmosphere; and that during, and after, heavy rains plants take up from the air and fix within their noxious vapors. In the Southern country it is common to see among the negro quarters sunflowers growing about the pig-sty; and the negro, if asked why he plants them in such a place, will reply, "He make it healthy, Massa."

The Rural boasts to the intelligence of its patrons, their cleverness and love of the useful, and should not those of them who are in a condition to do so, try this experiment, and so let each have the benefit of all the rest to guide us next year.

P. S.—Since writing the foregoing I have been conversing with Mr. Watt, the gardener, upon the subject. He informs me that, many years ago similar experiments were made in France with like success. Accounts of them have been published in the Cultivator. With these facts and other circumstances to which I shall allude in my next, still further to inspire faith in the proposed preventive, I hope all of your "ague and fever" readers will be encouraged to try this simple sunflower experiment. Those who live on the prairies, in the ague and fever districts of Illinois and other Western States, would do well to surround their dwellings with the plants, having the thickest part of the hedge on the west side.

INVENTIONS OF THE CHINESE.—It has been considered that the Chinese were not an inventive people; and yet this would appear to be a mistake. The art of printing was known in China nine hundred years before any knowledge of it prevailed in England.—Printing was first introduced into Europe early in the fifteenth century. The Chinese printers were generally itinerant. They next discovered the magnetic needle; this took place in the traditional period, when the Yellow Emperor, having misadvised his way, a little carriage was built, on the top of which was a figure, which always pointed to the north, and thus the route was discovered. The effects of the loadstone were also mentioned in their dictionary.—We were also probably indebted to the Chinese for the mariner's compass; for it had been long known to them before it was introduced into Europe. It was invented many centuries before it was known in England, and it is a singular fact that the component parts were nearly the same as the European instrument.

Later from Europe.

NEW YORK, April 22.—The steamer Glasgow, from Glasgow, with Liverpool dates of the evening of the 8th, arrived here this afternoon. Her arrivals are unimportant, being but a few hours later than the Fulton and the City of Washington.

The estimated sales of cotton on Wednesday amounted to 6,000 bales, of which speculators took 1,000. The market closed steady. Gunpowder was sold, when the Yellow Emperor, having misadvised his way, a little carriage was built, on the top of which was a figure, which always pointed to the north, and thus the route was discovered. The effects of the loadstone were also mentioned in their dictionary.—We were also probably indebted to the Chinese for the mariner's compass; for it had been long known to them before it was introduced into Europe. It was invented many centuries before it was known in England, and it is a singular fact that the component parts were nearly the same as the European instrument.

From the Rural New Yorker, April 4.
Sunflower Culture as a Preventive of the Ague and Fever.

BY LIEUT. M. F. MAURY.

Every experiment that has for its object the solution of any question in the affairs of man is instructive. Whether the experiment be successful or not, it is not the least instructive, for experience is acquired by the failure as well as by the success of experiments. Every teller of the earth, from Adam down to the whistling plover-boy that saw his first furrow not longer ago than last autumn, has been given more or less to the making of experiments. A farmer "tries" this crop, or that plan, and his experiments are the ground-work of the experience which gives intelligent direction to his husbandry.

None of the great industrial pursuits is more fruitful of experiments than that of agriculture; and if all the experiments that have been and now are making in this branch of industry had been systematically conducted, and if proper accounts of them had all been collected and published, what a valuable and instructive work should we have on the subject. Chinese sugar-cane and cotton, for example, for illustration. How many thousands of farmers intend to make a "trial" of it this year?—and among this great number, how many, think you, will give for the benefit of agriculture any account of their experiment and its results? Perhaps a dozen or two. The aggregate experience of all the rest will be lost to the agricultural community—and yet, if collected and embodied together, it would be of incalculable value.

I have been led into this train of remarks in consequence of an experiment that I made last year with the cultivation of sunflowers as a preventive or protection against ague and fever, and if you will publish an account of this experiment, with an explanation of what was sought to be accomplished by it, and the results obtained, perhaps some of your many thousands of readers will join and assist in carrying it out for with such assistance a satisfactory question of great importance may be satisfactorily settled, one way or the other, in a little while.

The dwelling of the Superintendent is adjoining the Observatory, which is situated on a hill on the left bank of the Potomac, in lat. 38 deg. 39 min., 53 sec. It is 94 feet above the low water of ebb tide, and about 400 yards from the river. The grounds pertaining to it contain about 17 acres, enclosed by a brick wall on the east, south and west sides, with a picket fence on the north. The south wall runs along nearly parallel with the river, and so does the west. The Chesapeake and Ohio Canal, fringed by a single row of sycamores, of some twenty years' growth, separates the wall from the river. In fact the river, with its marshes at the foot of the hill, encircles the grounds of the Observatory on half way round, viz. from S. E. by way of S. to N. W. Thus, you perceive, we are in a sort of a hem in the river. Most of the marshes are just "a wash" at low water, parts of them are bare when the tide is out, and all of them, in the early summer, are covered with a rank growth of grass and weeds, which begin to decay in August. This is the commencement, too, of the sickly season, and a few minutes' walk about the grounds of the Observatory after sunset has been found sufficient to bring on the ague and fever, or an attack of ague and fever. The place is so unhealthy that my family are compelled to desert it for four or five months every year. Last year they broke up early in May, and did not return till November.

Now, I am not going into a dissertation concerning malaria or miasm, for, be the seeds of the pestilence what they may, those of these diseases are supposed to be due to a great measure to the miasm of the Potomac. The decay of the vegetable matter upon them infects the air with impurities of some kind, which predispose to chills and fevers such is the popular belief, at any rate.

This brings me to the history of the sunflower experiment. A process of reasoning like the following led me to try it.

If it be the decay of the vegetable matter on the marshes that produces the sickness on the hill, then the sickness must be owing to the deleterious effects of some gas, miasm or effluvia, that is set free during the decomposition; and if so, the poisonous matter, or the basis of it, whatever it be, must have been elaborated during the growth of the weeds, and set free in their decay. Now, if this reasoning be good, why might we not, by planting other vegetables, or by vigorous growth just about the time that that of the marshes begins to decay, bring fresh forces of the vegetable kingdom again to play upon this poisonous matter, and elaborate it again into vegetable tissue, and so justify the old adage?

The reasoning appeared plausible enough to justify the trouble and expense of experiment, and I was encouraged to expect more or less success from it, in the circumstance that everybody said, "plant trees betwixt you and the marshes—they will keep off the chills." But as to the trees, it so happens that the very time when the decomposition on the marshes is going on most rapidly, the trees, for the most part, have stopped their growth to prepare for winter, and though trees might do some good, yet a rank growth of something got up for the occasion might do more. Hops climb high; they are good absorbers, and of a rank growth, but they were objections to hops on account of stakes, poles, &c.—I recollected that I had often seen sunflowers growing about the camp of the West, and have heard, in explanation, that it was "healthy" to have them.

This was so much more in favor of making the experiment with sunflowers.

An acre of sunflowers will absorb during their growth many thousands of gallons of water more than are supplied by the rains. They are great absorbers. They are of easy cultivation, are more rank than hops—may grow to a pole and the seed is very valuable. I paid \$8 a bushel for them last year, and therefore, apparently offered to fulfil all the conditions required to satisfy the problem; for if the supposition that the ague and fever poison be imparted to the atmosphere by the decaying vegetable matter in the marshes, and if this poison were set free during the process of decay, why should not the sunflowers in their rank growth absorb it, and again elaborate it into vegetable matter, and fix it at last for a while, and until cold weather? I consulted upon this subject with one of the most useful men this country ever produced—the late A. J. Downing, of Newburg—and he thought the idea a good one.

Finally, I resolved to make the experiment, at the risk of spoiling the looks of a beautiful lawn. Accordingly, in the fall of 1855, the gardener trenched up to a depth of two and a half feet a belt about forty feet broad, around the Observatory on the marshy side, and from 150 to 200 yards from the buildings. The conditions of the theory I was about to try required rich ground, tall sunflowers and a rank growth. Accordingly, after being well manured from the stable yard, the ground was properly prepared and planted in sunflowers last spring. They grew finely, the sickly season was expected with more than the usual anxiety. Finally, it set in, and there was shaking at the President's House and other places as usual, but for the first time since the Observatory was built the watchmen about it weathered the summer lack of chills and fevers. These men, being most exposed to the